



Form PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)								Atty. Docket No. P23703	Serial No. 10/646,812			
								Applicant Hiroshi NOMURA		Filing Date August 25, 2003	Group 2851	
U.S. PATENT DOCUMENTS												
EXAMINER INITIAL		DOCUMENT NUMBER					DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<i>[Handwritten]</i>	2004	/0	0	4	2	0	9	5	03/04/04	NOMURA		
<i>[Handwritten]</i>	2004	/0	0	4	2	0	9	3	03/04/04	NOMURA		
<i>[Handwritten]</i>	2004	/0	0	6	2	5	3	6	04/01/04	NOMURA		
<i>[Handwritten]</i>	2004	/0	0	5	1	9	6	8	03/18/04	NOMURA		
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<i>[Handwritten]</i>	2004	/0	0	6	2	5	3	7	04/01/04	NOMURA		
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<i>[Handwritten]</i>	2004	/0	0	4	2	0	9	2	03/04/04	NOMURA		
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			6	1	1	5	1	9	0	09/05/00	HIRAI	
			6	0	6	4	5	3	05/16/00	KENIN et al.		
	2003	/0	0	8	1	3	2	5	05/01/03	NOMURA et al.		
	2001	/0	0	2	4	5	7	3	09/27/01	NOMURA et al.		
	2002	/0	1	3	5	9	0	0	09/26/02	NOMURA et al.		
			6	0	7	5	6	5	06/13/00	FUNAHASHI		
EXAMINER									DATE CONSIDERED	9/15/04		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.												

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U.S. PATENT DOCUMENTS													
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		2002	/0	1	3	5	9 0 1	09/26/02	NOMURA et al.				
		2003	/0	0	8	1	3 2 7	05/01/03	NOMURA et al.				
		2002	/0	1	3	5	8 9 6	09/26/03	NOMURA et al.				
			6	0	5	5	1 1 6	04/25/00	NOMURA et al.				
			6	2	0	4	9 7 7	03/20/01	IWASA				
			5	4	3	0	5 1 6	07/04/95	UZIIE et al.				
		2003	/0	0	8	1	9 4 8	05/01/03	NOMURA et al.				
		2001	/0	0	1	9	4 5 8	09/06/01	NOMURA et al.				
			4	9	9	3	8 1 5	02/19/91	YAMAZAKI et al.				
			5	8	1	8	6 4 7	10/06/98	NISHIO et al.				
			5	7	3	1	9 1 3	03/24/98	IMANARI				
			5	7	3	9	9 6 2	04/14/98	ASAKURA et al.				
		2003	/0	1	5	6	8 3 2	08/21/03	NOMURA et al.				
			5	5	8	7	7 5 4	12/24/96	KATAYAMA et al.				
			6	0	5	2	5 3 5	04/18/00	UNO				
			5	2	2	3	8 7 3	06/29/93	TSUBOI				
			5	0	8	6	3 1 2	02/04/92	TANAKA et al.				
			5	4	9	9	1 4 3	03/12/96	SAKAMOTO et al.				
			6	0	6	9	7 4 5	05/30/00	FUJII et al.				
			6	3	2	4	0 1 9	11/27/01	TAKANASHI et al.				
			5	4	8	5	3 1 5	01/16/96	NOMURA et al.				
										DATE CONSIDERED	9/15/04		
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U.S. PATENT DOCUMENTS												
EXAMINER INITIAL		DOCUMENT NUMBER				DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS												
		DOCUMENT NUMBER				DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES NO	
		58	-	1	0	7 0 8	01/21/83	JAPAN				
		2	3	4	4	6 6 1	06/14/00	UNITED KINGDOM				
		2	2	6	2	3 5 6	06/16/93	UNITED KINGDOM				
	2003	-	2	0	7	7 0 9	07/25/03	JAPAN				
		2	3	0	9	5 5 1	07/30/97	UNITED KINGDOM				
		2	3	4	4	6 6 2	06/14/00	UNITED KINGDOM				
		2	2	6	1	2 9 8	05/12/93	UNITED KINGDOM				
	2002	-	2	7	7	7 1 9	09/25/02	JAPAN				
	10	-	2	8	2	3 9 4	10/23/98	JAPAN				
		58	-	1	6	2 9 1 4	09/27/83	JAPAN				
		0	6	3	4	6 8 0	01/18/95	E.P.O.				
		10	-	3	2	7 4 0	02/03/98	JAPAN			X	
	7	-	2	8	8	7 2 4	10/31/95	JAPAN			X	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)												
		1	English Language Abstract of JP 58-10708.									
		2	English Language Abstract of JP 2003-207709.									
		3	English Language Abstract of JP 2002-277719.									
		4	English Language Abstract of JP 10-282394.									
		5	English Language Abstract of JP 58-162914.									
EXAMINER	<i>[Signature]</i>				DATE CONSIDERED		9/15/04					
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Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office						Atty. Docket No. P23707		Serial No. 10/646,812		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use several sheets if necessary) FEB 23 2004								Applicant Hiroshi NOMURA				
								Filing Date August 25, 2003		Group 2851		
U.S. PATENT DOCUMENTS												
EXAMINER INITIAL	DOCUMENT NUMBER						DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4	5	2	5	0	5	0	06/25/85	OHASHI			
	4	6	4	3	5	3	5	02/17/87	WAKABAYASHI			
	4	7	2	1	9	7	2	01/26/88	WAKABAYASHI			
	4	7	9	2	8	2	2	12/20/88	AKIYAMA et al.			
	5	8	1	8	6	4	7	10/06/98	NISHIO et al.			
	6	0	3	1	9	9	8	02/29/00	SHONO			
	4	4	5	1	1	2	9	05/29/84	IKARI et al.			
	4	6	4	3	5	5	4	02/17/87	OGAWA			
	4	7	7	1	3	0	3	09/13/88	MATSUMOYO et al.			
	4	8	8	7	1	0	7	12/12/89	NAKAMURA et al.			
	5	1	3	6	3	2	4	08/04/92	TSUBOI et al.			
	5	7	6	5	0	4	9	06/09/98	HASE et al.			
	5	8	3	2	3	2	6	11/03/98	TANAKA			
	6	3	6	6	3	2	3	04/02/02	SHONO et al.			
FOREIGN PATENT DOCUMENTS												
	DOCUMENT NUMBER						DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES NO
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	6	1	-	6	9	0	0	2	04/09/86	JAPAN		
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	6	3	1	4	9	6	2	9	06/22/88	JAPAN		
	6	4	-	3	4	6	2	3	03/02/89	JAPAN		X
	6	-	1	8	7	7	7	01/28/94	JAPAN			X
	7	-	1	9	1	2	4	9	07/28/95	JAPAN		
	1	1	1	0	9	2	0	3	04/23/99	JAPAN		
JAPAN OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)												
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